



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JUL 20 2017

OFFICE OF
SOLID WASTE AND
EMERGENCY RESPONSE

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EMERGENCY MANAGEMENT

Mr. Robert W. Seifert, Acting Director (EM-4.3)
Office of Regulatory, Intergovernmental, and Stakeholder Engagement
U.S. Department of Energy
1000 Independence Avenue, SW
Washington, D.C. 20585-0113

Rob
Dear Mr. Seifert:

The purpose of this letter is to ensure close coordination between the U.S. Department of Energy (DOE) and the U.S. Environmental Protection Agency (EPA) in meeting key Government Performance and Results Act (GPRA) and Superfund performance measures. Specifically, the Environmental Indicators (EIs): Human Exposure (HE) and Groundwater Migration (GM). EPA has been reporting on EIs since the early 1990's. The GM and HE measures were added to the list of EIs in 2001 to show the incremental progress towards protection of human health and the environment through the elimination of unacceptable human exposure and prevention of groundwater migration.

The President's FY 2018 budget for the Federal Facility Superfund program prioritizes the highest risk sites and focuses on activities that bring human exposure and groundwater migration under control. EPA tracks EIs and other accomplishments at all Superfund sites, including federal facility National Priorities List (NPL) sites, to report to Congress on how effectively our program meets EPA's core mission on an annual basis. We appreciate DOE's continued efforts to work with EPA to ensure that we are accurately reflecting our progress towards the protection of human health and the environment. Attached is a status update on the Environmental Indicators at DOE NPL sites. We shared these lists in advance with your staff and appreciate their review and input.

Human Exposure

EPA considers a site to have Human Exposure Under Control (HEUC) when the site is fully characterized and any complete exposure pathways are controlled with engineering or institutional controls.

Groundwater Migration

EPA considers a site to have Groundwater Migration Under Control (GMUC) when all site plumes are fully characterized, stable, and do not discharge contamination into surface water bodies at concentrations that would cause unacceptable impact on surface water, sediments, or ecosystems.

These measures help determine progress in achieving protection of human health and the environment at NPL sites, and also inform Congress on such progress in accordance with the GPRA. Achievement of these measures requires successful coordination between EPA and DOE. I ask that your organization work with our regional offices and the Federal Facilities Restoration and Reuse Office (FFRRO) to achieve GMUC and HEUC at all DOE NPL sites in a timely manner, and that we work together to communicate the achievement of these measures as a joint success. For questions, please feel free to contact me or Emerald Laija of my staff at laija.emerald@epa.gov or (202) 564-2724.

Sincerely,

A handwritten signature in black ink, reading "Charlotte Bertrand". The signature is fluid and cursive, with the first name "Charlotte" and last name "Bertrand" clearly legible.

Charlotte Bertrand, Director
Federal Facilities Restoration and Reuse Office

cc: Greg Gervais, EPA
Federal Facility Program Managers, EPA
Superfund Division Directors, EPA

Attachment

Environmental Indicators
U.S. DOE NPL Sites

Groundwater Migration

Region	Site Name	EPA ID	GM Status	Reason ¹
02	BROOKHAVEN NATIONAL LABORATORY	NY7890008975	GMNC	Undefined Plume Boundaries
04	PADUCAH GASEOUS DIFFUSION PLANT	KY8890008982	GMNC	Documented Plume Migration
04	SAVANNAH RIVER SITE	SC1890008989	GMNC	Incomplete Groundwater Investigation
04	OAK RIDGE RESERVATION	TN1890090003	GMNC	Documented Plume Migration and Discharge to Surface Water
09	LAWRENCE LIVERMORE NATL LAB (SITE 300)	CA2890090002	GMID	Incomplete Groundwater Investigation
10	HANFORD 100-AREA	WA3890090076	GMNC	Documented Plume Migration
10	HANFORD 200-AREA	WA1890090078	GMNC	Documented Plume Migration

Human Exposure

Region	Site Name	EPA ID	HE Status	Reason ²
4	PADUCAH GASEOUS DIFFUSION PLANT	KY8890008982	HEID	Incomplete Investigation -- Vapor Intrusion

¹ EPA considers a site to have Groundwater Migration Under Control (GMUC) when all site plumes are fully characterized, stable and do not discharge contamination into surface water bodies at concentrations that would cause unacceptable impacts on surface water, sediments, or ecosystem.

² EPA considers a site to have Human Exposure Under Control when the site is fully characterized and any complete exposure pathways are controlled by using engineering or institutional controls.